

Figures

Fig. 1

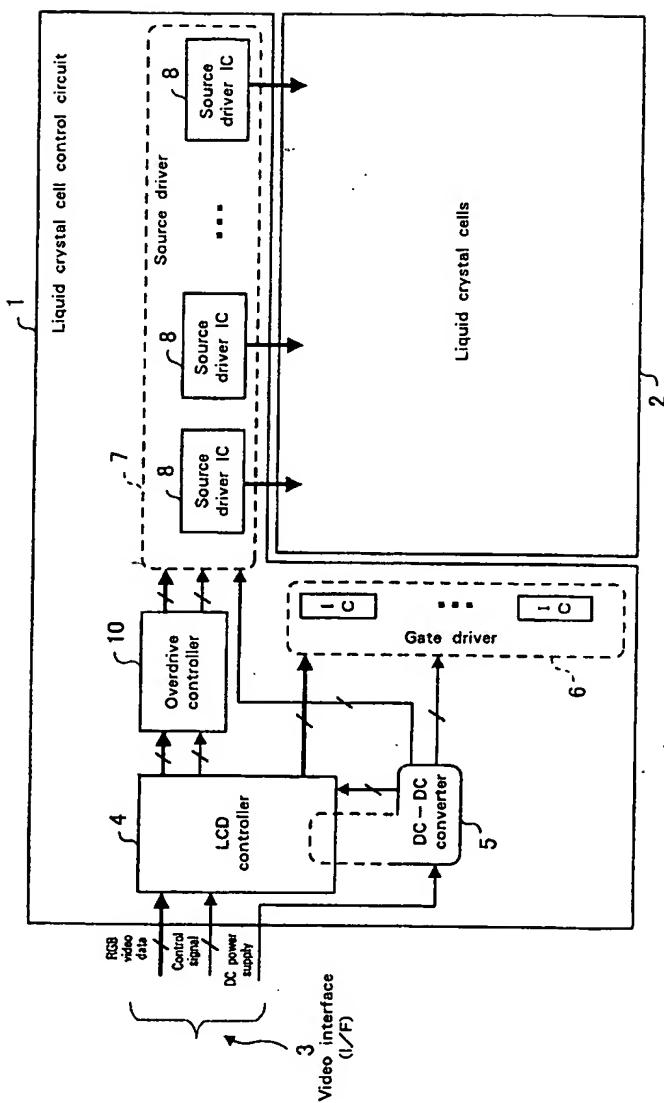


Fig. 2

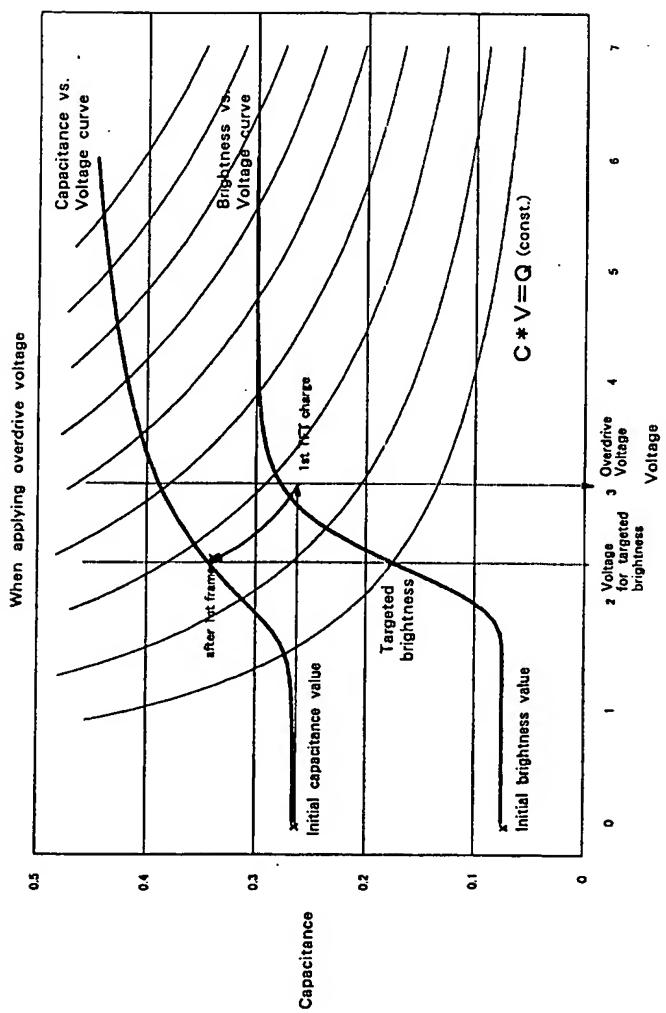


Fig. 3

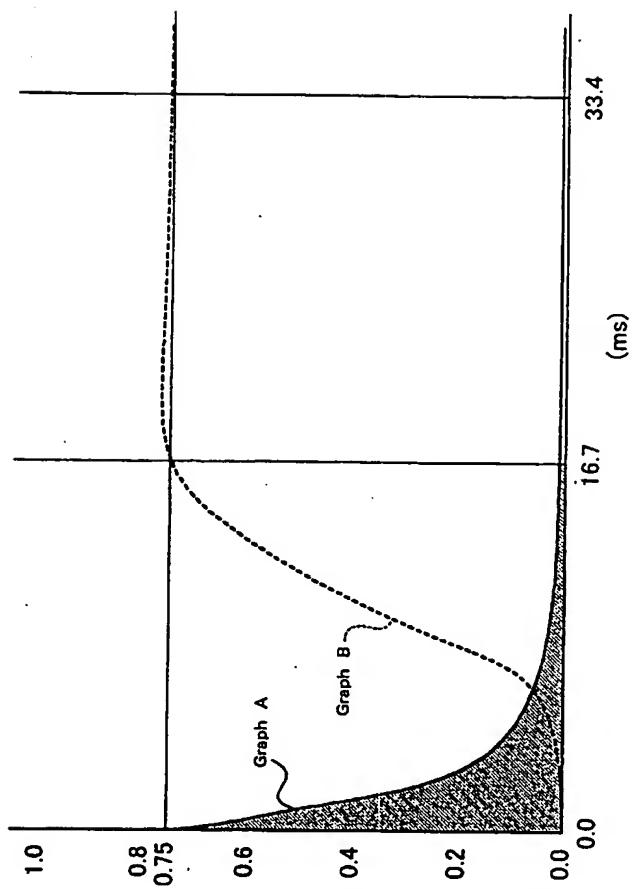
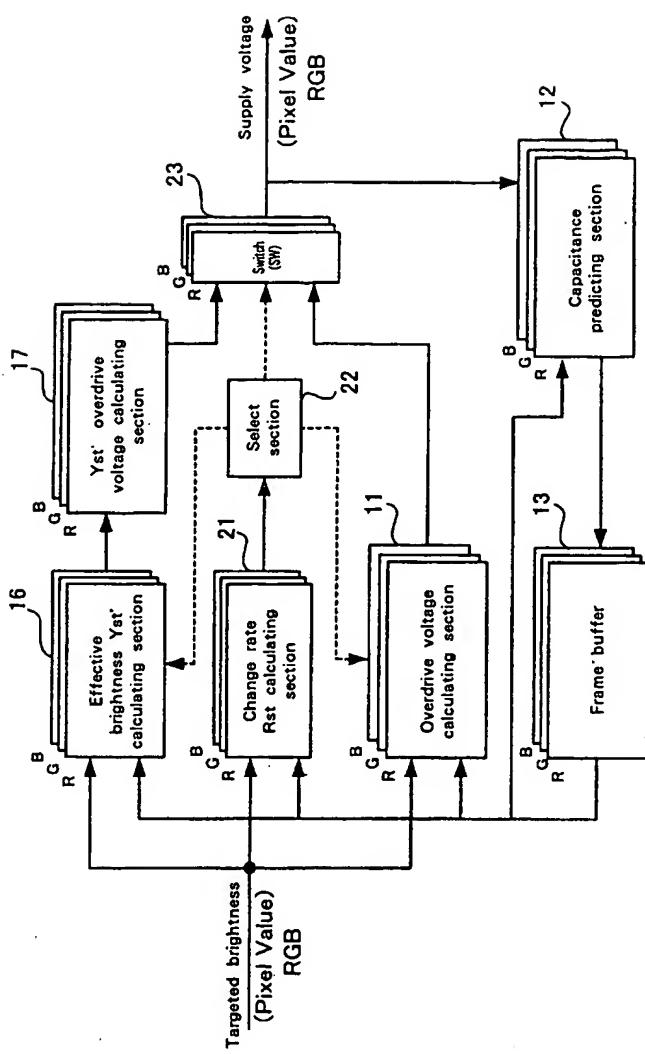


Fig. 4



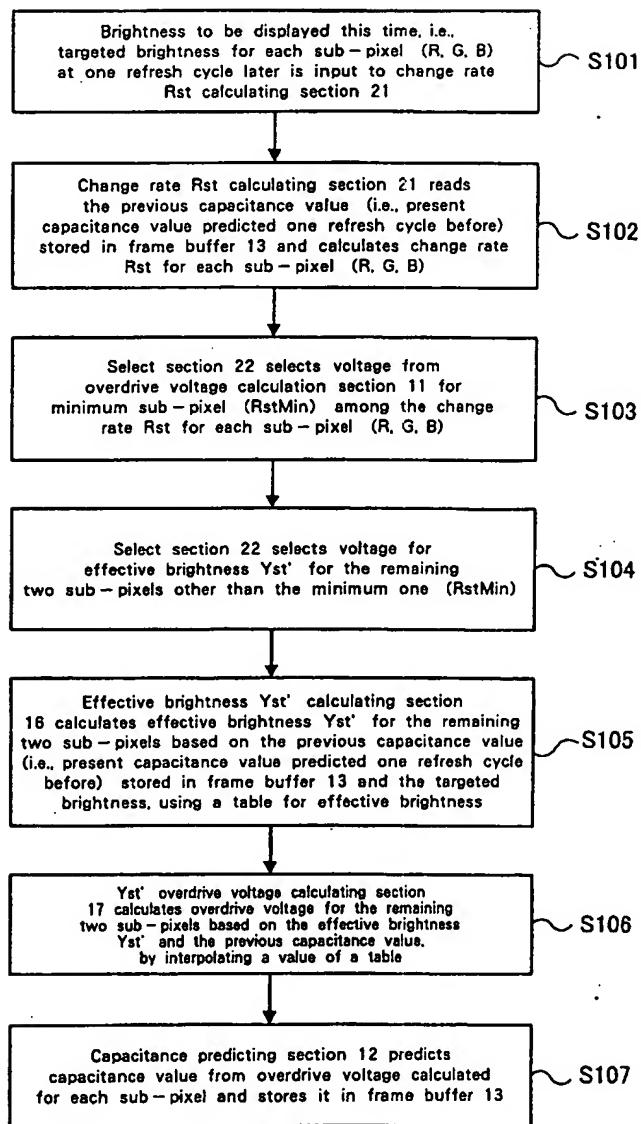


Fig. 5

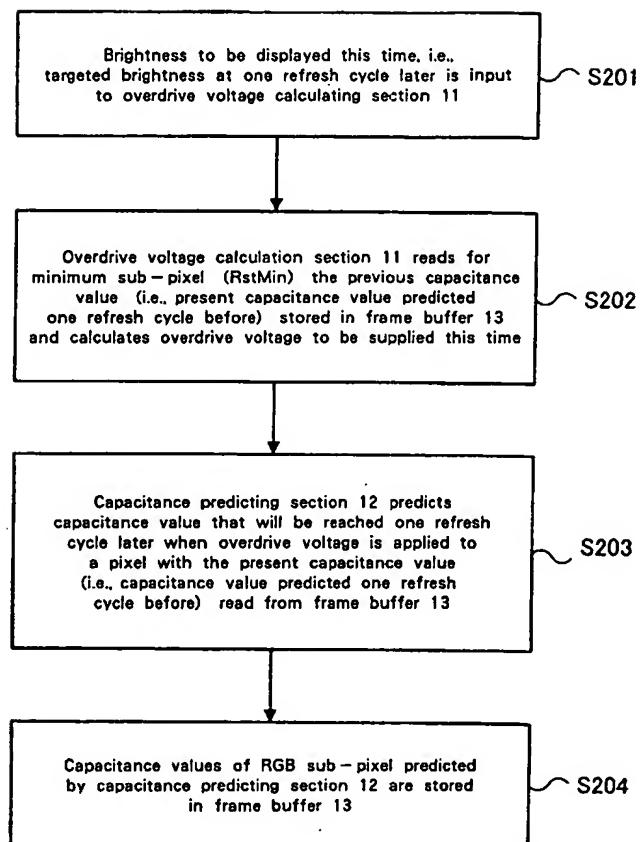
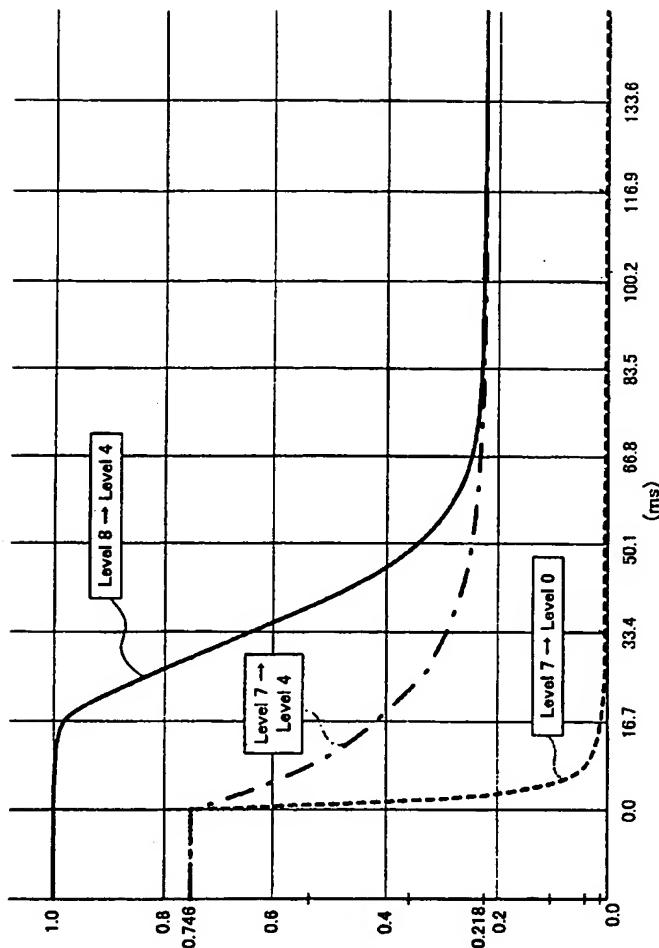


Fig. 6

	Target level	level 0	level 1	level 2	level 3	level 4	level 5	level 6	level 7	level 8
Static start level	targeted brightness starting density	0.00084 0	0.0103 5	0.0473 8	0.1154 2	0.2181 8	0.3555 4	0.5308 4	0.7458 4	0.9999 5
level 8	5.5530	7.9989	6.2088	5.3633	4.7434	4.3583	4.0163	3.7284	3.3490	1
1.2V	5.5836	7.9853	6.1556	5.3011	4.6908	4.3083	3.9580	3.6612	3.2703	1.5180
1.4V	5.6605	7.9546	6.0393	5.1786	4.5898	4.2147	3.8688	3.5410	3.1543	1.1244
1.6V	5.8939	7.8537	5.9457	4.9601	4.4310	4.0057	3.6906	3.3380	2.9389	1.0166
2.0V	7.2035	6.9652	5.3997	4.3980	3.8826	3.4630	3.1309	2.7736	2.3330	0
level 7	7.8413	6.7616	4.9783	4.1777	3.6770	3.2896	2.8263	2.5856	2.168	0
level 6	8.5975	6.3894	4.7512	3.9271	3.4393	3.0598	2.7401	2.385	1.9596	0
level 5	9.1804	5.9943	4.4988	3.7848	3.3111	2.9200	2.579	2.2487	1.7995	0
level 4	9.6941	5.9067	4.3949	3.6299	3.1811	2.782	2.4674	2.1403	1.8869	0
level 3	10.1912	5.7948	4.2666	3.4791	3.023	2.7102	2.3720	2.0355	1.5911	0
level 2	10.7078	5.6447	4.0978	3.346	2.9358	2.5809	2.2742	1.9221	1.4946	0
level 1	11.3424	5.4002	3.907	3.2696	2.8290	2.4518	2.1494	1.7938	1.3155	0
level 0	12.1062	5	3.8051	3.0822	2.8795	2.3293	1.9869	1.6461	1.1323	0

Fig. 7

Fig. 8



Gradation (0 ~ 8)	Brightness	Response time	Effective brightness i	Effective brightness ii	Effective brightness iii	Effective brightness iv
Level 8→Level 4	1.000 → 0.218	4 to 5 frame	0.992	0.806	0.461	0.296
Level 7→Level 0	0.746 → 0.001	1 to 2 frame	0.116	0.003	0.001	0.001
Level 7→Level 4	0.746 → 0.218	3 to 4 frame	0.545	0.328	0.253	0.229

Fig. 9

Fig. 10

	Gradation transition	Linear color mixture i	Linear color mixture ii	Linear color mixture iii	Linear color mixture iv	Color shift i	Color shift ii	Color shift iii
R	Level 8→Level 4	0.805	0.609	0.414	0.218	0.992	0.806	0.461
G	Level 7→Level 0	0.559	0.373	0.187	0.001	0.116	0.003	0.001
B	Level 7→Level 4	0.614	0.482	0.350	0.218	0.545	0.328	0.253
	White tinged with light pink to deep purple	Almost white tinged with purple	Light purple	Slightly deep purple	Deep purple	Peach	Purplish red	Dark purplish red